

# NIGERIA

Niger

IMAGERY ANALYSIS: 13 TO 17/10/2022 PUBLISHED 19/10/2022 V1

FLOOD EXTENT (13 - 17 OCT. 2022)  
**30,000 km<sup>2</sup>**

POPULATION POTENTIALLY EXPOSED (13 - 17 OCT. 2022)  
**6,600,000**

HEALTH FACILITY POTENTIALLY AFFECTED  
**738**

SCHOOL POTENTIALLY AFFECTED  
**1,424**

FLOOD  
**FL20221019NGA**



## Satellite detected water extents between 13 and 17 October 2022 over Nigeria

This map illustrates cumulative satellite-detected water using VIIRS in Nigeria between 13 to 17 October 2022 compared with the period from 08 to 12 October 2022. Within the cloud free analysed areas of about 890,000 km<sup>2</sup>, a total of about 30,000 km<sup>2</sup> of land appears to be affected. In the analysed areas, 738 health facilities and 1,424 schools are identified to be within or close to a flooded zone. In comparison with the period between 08 to 12 October 2022, water extent appears to have decreased of about 1,000 km<sup>2</sup>. Based on Worldpop population data and the maximal flood water extent ~6,660,000 people are potentially exposed or living close to flooded areas amongst the 204 million people living in the analysed zone.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to the United Nations Satellite Centre (UNOSAT).

### Legend

- City
- International boundary
- State boundary
- Permanent water
- Maximum flood water extent [13-17 Oct. 2022]
- Maximum flood water extent [08-12 Oct. 2022]
- Cloud obstruction [13-17 Oct. 2022]

State	Populat on in cloud free areas [13-17 October 2022]	Cloud free analyzed Area [13-17 October 2022] Km <sup>2</sup>	Populat on potentially exposed to maximum flood water extent [13-17 October 2022]	Maximum flood water extent [13-17 October 2022] Km <sup>2</sup>	Water extent variat on between 13-17 October 2022 & 08-12 October 2022 Km <sup>2</sup>	Crit cal health facility potent ally exposed to maximum flood water extent [13-17 Oct. 2022]	School potent ally exposed to maximum flood water extent [13-17 Oct. 2022]
Abia	3,841,448	4,369	5,624	13	8	-	-
Adamawa	4,969,175	37,822	259,594	1,078	-60	57	114
Akwia Ibom	4,871,736	5,616	174,520	246	34	9	18
Anambra	4,223,426	3,888	522,543	1,264	-255	50	122
Bauchi	7,214,643	48,517	44,740	199	-136	4	12
Bayelsa	2,048,444	8,011	245,293	641	161	25	103
Benue	6,329,040	31,275	219,129	1,061	45	25	31
Borno	6,692,075	72,156	229,813	1,986	95	9	19
Cross River	3,904,132	19,490	311,978	954	285	33	35
Delta	5,649,424	15,450	911,536	2,938	612	89	298
Ebonyi	2,683,287	5,380	76,341	180	84	3	9
Edo	4,099,394	17,807	113,225	470	-45	10	24
Ekiti	3,486,460	5,437	420	1	-3	-	-
Enugu	4,073,122	6,227	14,379	39	-9	2	2
Federal Capital Territory	4,800,804	7,386	19,444	44	-13	1	2
Gombe	3,494,551	17,427	23,180	100	-38	4	2
Imo	5,091,396	4,260	25,134	83	-23	6	6
Jigawa	6,208,848	23,216	261,837	1,100	-463	11	52
Kaduna	9,335,135	44,155	19,314	116	-68	-	2
Kano	14,765,874	20,324	62,503	595	-128	2	1
Katsina	8,725,811	23,963	10,403	18	-23	-	-
Kebbi	4,806,123	36,597	195,265	1,123	-228	18	32
Kogi	4,618,398	28,205	417,763	2,619	-119	138	154
Kwara	3,421,259	33,542	84,772	768	-26	15	38
Lagos	13,120,857	3,002	124,184	89	28	15	28
Nasarawa	2,816,540	26,752	110,431	1,315	-72	24	31
Niger	6,380,352	71,927	331,458	2,915	-189	68	-
Ogun	5,388,464	13,708	5,340	15	-2	2	2
Ondo	4,961,054	14,125	23,481	102	-42	3	3
Osun	4,970,599	8,349	4,697	9	6	1	3
Oyo	7,613,519	25,954	2,913	24	6	-	-
Plateau	4,730,217	26,433	51,280	387	-28	-	-
Rivers	6,752,813	8,536	1,028,933	1,320	77	42	142
Sokoto	5,746,034	32,152	105,373	300	-194	8	9
Taraba	3,278,418	58,432	263,463	4,325	-43	45	81
Yobe	3,713,259	44,822	287,914	1,847	-200	25	47
Zamfara	4,922,672	33,512	14,706	36	-96	-	1
Total	203,738,864	888,220	6,604,122	30,323	-1,061	738	1,424

Spatial Reference Name: GCS WGS 1984  
GCS: GCS WGS 1984  
Datum: WGS 1984  
Map Units: Degree

Satellite Data (1): NOAA-20/VIIRS  
Imagery Date: 08 to 12 Sep. 2022  
Resolution: 375 m  
Copyright: NOAA/Suomi NPP  
Source: NOAA

Satellite Data (2): NOAA-20/VIIRS  
Imagery Date: 13 to 17 Oct. 2022  
Resolution: 375 m  
Copyright: NOAA/Suomi NPP  
Source: NOAA

Boundary data: OCHA  
Road data: OpenStreetMap  
Populated place: OpenStreetMap  
Waterways: OpenStreetMap  
Health facility: HDX  
Population data: Worldpop unconstrained [2020]  
Background: ESRI Basemap

Analysis: United Nations Satellite Centre (UNOSAT)  
Production: United Nations Satellite Centre (UNOSAT)

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